

Notice of Allowability

Application No.

10/789,691

Examiner

Carlos Amaya

Applicant(s)

EATON ET AL.

Art Unit

2836

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment After Final filed on 4/24/2007.
2. ☒ The allowed claim(s) is/are 1-16, 20-26 and 28-30.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

DETAILED ACTION

Reasons for Allowance

1. The following is a statement of reasons for the indication of allowable subject matter:

Claim 1 is allowable over the prior art of record, because the prior art of record does not disclose "a power converter coupled to the first internal component, and coupled simultaneously to the first input port and the second input port, wherein the power converter receives alternating current input power by way of the first and second inputs ports and converting the input power into the internal power to be provided to the first internal component". Along with the remaining features of the claim.

Claim 20 is allowable over the prior art of record, because the prior art of record does not suggest "converting the rectified power into a modified rectified power by way of the switching mechanism, wherein the internal power is based upon the modified rectified power, and wherein the converting includes developing a feedback signal indicative of an aspect of the modified rectified power that can vary as a result of the variation of the at least one characteristic of the input power; and adjusting the converting in response to the feedback signal so that the internal power based upon the modified rectified power satisfies the criterion". Along with the remaining features of the claim.

Claim 23 is allowable over the prior art of record, because the prior art of record does not suggest that "a first diode array capable of receiving and rectifying the first power and a second diode array capable of receiving and rectifying the second power,

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wherein output ports of the first and second diode arrays are coupled to one another so that the rectified first and second powers are combined to form a first modified power; a switch mode regulator section coupled to the rectifier section, wherein the switch mode regulator provides a second modified power based upon the first modified power; and at least one filter section coupled to at least one of the switch mode regulator section and the rectifier section, wherein the low voltage output power is one of the second modified power and a filtered power provided as a result of operation of the filter section upon the second modified power". Along with the remaining features of the claim.

Claim 24 is allowable over the prior art of record, because the prior art of record does not disclose "a switch mode power supply that is connected to only two phases of the first input power and to only two phases of the second input power and converting the first and second input powers into the internal power satisfying the first criterion even though at least one characteristic of the input power varies within a range, the switch mode power supply operatively coupled to supply the internal power to the internal component". Along with the remaining features of the claim.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Carlos Amaya whose telephone number is (571) 272-8941. The examiner can normally be reached on M-F 8-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Sherry can be reached on (571) 272-2800. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

CA

A handwritten signature in black ink, appearing to read "M. Sherry", followed by the date "5/11/07".

MICHAEL SHERRY
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800